

Abstract

InsA4

The present invention relates to computer virus and more particularly to a method and system for generating and using a virus-free file certificate. The method, for use in a virus-free certificate authority (102), comprises the steps of:

- receiving (300) a virus-free certificate request for a file from a server (101) or a client (100) system;

- determining (301) whether the file is virus-free or not;

if the file is declared virus-free by the virus-free certificate authority (102):

- generating (303, 304) a virus-free certificate (200) comprising a file signature (207) for certifying that said file is declared virus-free by the virus-free certificate authority (102);

- sending (306) back in response to the virus-free certificate request the virus-free certificate (200).

The method, for use in a server (101) or client (100) system, comprises the steps of:

- determining (400) whether a virus-free certificate (200) is associated with a file;

if a virus-free certificate is associated with the file:

- authenticating (404) the virus-free certificate (200), said virus-free certificate comprising a certificate signature (206);

- authenticating (407) the file, said virus-free certificate (200) comprising a file signature (207), said file signature certifying that said file has been declared virus-free by a virus-free certificate authority (102).

Figure 1